

CLAIMS

1. (Currently Amended) An image apparatus, comprising:
a scanner adapted to scan a first document;
a memory adapted to store image data corresponding to said first document;
a signal control device adapted to generate a notify signal in response to said image data being stored in said memory; and
a switch control device adapted to receive a first signal to display said document on a display device, and further adapted so that said scanner has the capability to scan a next document substantially concurrently with a displaying of the first document, wherein the next document is not displayed unless the switch control device receives a second signal.
2. (Previously Presented) The apparatus according to claim 1, further comprising a transmission device adapted to transmit said first document to be scanned.
3. (Previously Presented) The apparatus according to claim 2, wherein said transmission device comprises a document handling device selected from the group comprising a positive photograph holder, a negative photograph holder, or an automatic document feeder, or combinations thereof.
4. (Previously Presented) The apparatus according to claim 1, wherein said memory comprises a buffer selected from the group comprising a ring buffer or a ping-pong buffer, or combinations thereof.

5. (Previously Presented) The apparatus according to claim 4, wherein said buffer comprises two or more memory buffer blocks.

6. (Currently amended) The apparatus according to claim 1, further comprising a display switch adapted to receive said notify signal and further capable of displaying a notification of availability of said document ~~said notify signal~~ on said display device.

7. (Currently Amended) The apparatus according to claim ~~[[1]]~~ 38, wherein said notify signal and said scanning status signal ~~signal~~ indicate an availability of said first document and said next document for display.

8. (Currently Amended) The apparatus according to claim ~~[[1]]~~ 38, wherein said scanning signal indicates when the scanning of said next document has finished.

9. (Currently Amended) An image scanning system, comprising:
 a scanner adapted to scan a first document;
 a transmission device adapted to transmit said first document to be scanned ~~said scanner~~;
 a memory adapted to store image data corresponding to said first document;
 a signal control device adapted to produce one or more signals including a notify signal in response to the image data corresponding to said first document being stored in said memory;

a display switch adapted to receive the notify signal and to display a notification of availability of said first document-notify signal on ~~said~~ a display device; and

a switch control device adapted to receive a starting signal to display said first document on said display device, and further adapted to notify said transmission device to transmit a second document to be scanned ~~said scanner~~, the display device adapted to display said first document substantially concurrently with the transmission of the while said second document is being scanned to the scanner, wherein said signal control device is further adapted to produce a scanning signal corresponding to a scanning status of said second document.

10. (Previously Presented) The system according to claim 9, wherein said transmission device comprises a document handling device selected from the group comprising a positive photograph holder, a negative photograph holder or an automatic document feeder, or combinations thereof.

11. (Previously Presented) The system according to claim 9, wherein said memory comprises one or more buffers selected from the group comprising a ring buffer or a ping-pong buffer, or combinations thereof.

12. (Previously Presented) The system according to claim 11, wherein said memory comprises two or more memory buffer blocks.

13. (Previously Presented) The system according to claim 9, wherein said scanning signal indicates when the scanning of said next document has finished.

14. (Currently amended) The system according to claim 13, wherein a selection of the notification of availability ~~scanning signal~~ causes the switch control device to receive a next image signal to display said second document on said display device in place of said first document.

15. (Currently Amended) A scanning method, comprising:
scanning a first document;
storing said first document into a memory;
receiving a starting signal;
displaying said first document;
scanning a next document substantially concurrently with the displaying of said first document, wherein said next document is not displayed while it is being scanned; and
displaying a ~~notify signal~~ notification of availability when ~~the scanning of~~ said next document is ~~finished~~ available to be displayed.

16. (Currently amended) The method according to claim 15, further comprising a ~~transmission device capable of transmitting said first document to be scanned~~ said scanner.

17. (Currently amended) The method according to claim ~~15~~ 16, further comprising displaying said next document in place of said first document ~~wherein said transmission device is selected from the group comprising a positive photograph holder, a negative photograph holder, or an automatic document feeder, or combinations thereof.~~

18. (Previously Presented) The method according to claim 15, wherein said memory comprises a buffer selected from the group comprising a ring buffer or a ping-pong buffer, or combinations thereof.

19. (Previously Presented) The method according to claim 18, wherein said memory comprises two or more memory buffer blocks.

20. (Currently amended) The method according to claim 17 ~~45~~, wherein the next document is not displayed unless a second signal is received further comprising displaying a notify signal wherein displaying the notify signal includes receiving a notify signal at a display switch.

21. (Currently amended) The method according to claim ~~20~~ 15, wherein said ~~notify signal notification of availability~~ comprises an image selected from the group comprising an arrow image, a twinkling image or an unlike color image, or combinations thereof.

22. (Previously Presented) The method according to claim 15, wherein displaying said first document includes displaying said first document on a display device wherein said display device comprises a peripheral selected from the group comprising a television, a monitor, a liquid crystal display or a projector, or combinations thereof.

23. (Currently Amended) A scanning method, comprising:

transmitting a first document to a scanner;
scanning said first document and storing said first document to a memory;
displaying a ~~notify signal~~ notification of availability on a display device to notify a user
of an availability of said document for display on said display device; and
utilizing a switch control device to receive a starting signal to display said first document
on said display device, and further to notify said transmission device to transmit a second
document into said scanner, ~~wherein the transmission of the second document to the scanner occurs~~
substantially concurrently with the displaying of the first document, wherein said second
document is scanned and stored into said memory without being displayed on said display
device.

24. (Previously Presented) The method according to claim 23, wherein said
transmission device comprises a document handling device selected from the group comprising a
positive photograph holder, a negative photograph holder, or an automatic document feeder, or
combinations thereof.

25. (Previously Presented) The method according to claim 23, wherein said memory
comprises a buffer selected from the group comprising a ring buffer or a ping-pong buffer, or
combinations thereof.

26. (Previously Presented) The method according to claim 25, wherein said memory
comprises two or more memory buffer blocks, and further wherein the capacity of said memory
is determined by the user.

27. (Currently amended) The method according to claim 23, wherein said notification of availability ~~notify signal~~ comprises an image selected from the group comprising an arrow image, a twinkling image or an unlike color image, or combinations thereof.

28. (Previously Presented) The method according to claim 23, wherein said display device comprises a peripheral selected from the group comprising a television, a monitor, a liquid crystal display or a projector, or combinations thereof.

29. (Currently Amended) An apparatus, comprising:
a scanner capable of scanning a first document and a second document;
a switch operable so that a display of the first document occurs concurrently with the scanning of the second document; and
a display screen configured to display a scanning status of said second document while displaying said first document, wherein said scanning status indicates an availability of said second document for display on said display screen.

30. (Previously Presented) The apparatus of claim 29, further comprising a memory capable of storing image data corresponding to the first document.

31. (Previously Presented) The apparatus of claim 29, further comprising a signal control device capable of generating a notify signal.

32. (Currently amended) The apparatus of claim 31, wherein the switch is further capable of receiving a start signal from a user interface, the switch operable so that the display of the first document occurs at least in part in response to receiving the start signal from the user interface.

33. (Currently Amended) An article comprising: a storage medium having stored thereon instructions, that, if executed, result in:
scanning a first document;
storing said first document into a memory;
receiving a starting signal;
displaying said first document; and
scanning a next document substantially concurrently with the displaying of said first document, wherein said next document is capable of being scanned without being displayed.

34. (Previously Presented) The article according to claim 33, further comprising transmitting said first document to said scanner.

35. (Previously Presented) The article according to claim 33, wherein said memory comprises two or more memory buffer blocks.

36. (Currently Amended) The article according to claim 33, further comprising displaying a notify signal notification of availability for display of either of said first document or said next document.

37. (Previously Presented) The article according to claim 33, further comprising displaying a scanning condition of said next document together with said first document.

38. (Currently amended) The ~~method~~ apparatus according to claim 1, wherein the signal control device is further adapted to determine ~~generate a scanning signal corresponding to~~ a scanning status of said next document being scanned, said scanning status ~~signal~~ capable of being displayed on said display device together with said first document.

39. (Currently amended) The image scanning system according to claim 9, wherein said signal control device is further adapted to produce a second notify signal in response to image data corresponding to said second document being stored in said memory ~~display switch is further adapted to receive and display said scanning signal on said display device.~~

40. (Currently amended) The scanning method of claim 23, further comprising displaying a second notification of availability ~~a next image signal~~ on said display device to notify said user of an availability of said second document for display on said display device.